



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Saturday, May 23, 2015

Issued: 0800 CT

***Day 1 Hazards:*** Areas of flash flooding possible over TX/OK. Slight Risk of severe thunderstorms over W TX/W OK.

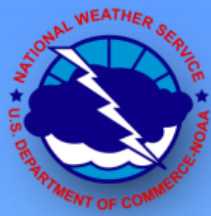
***Continuing Hazards:*** Major river flood ongoing on the Nueces in South TX, Red River TX/OK and Boggy Creek in OK. Elevated river/lake levels with flood gages at moderate persists across E TX.

National Weather Service  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX



Prepared by: Kurt Van Speybroeck  
817-978-1100 x 147

# Key Points



## Saturday - Sunday

- Flash flood/river flood threat to continue and likely increase in coverage over TX/OK
- Widespread heavy rain over OK/N TX and into central/south TX
  - Many areas will likely see flash flooding, particularly low water crossings and poor drainage areas
  - Rivers/creeks and some lakes will have stronger than normal flow/currents creating dangerous conditions in and on waterways
- Slight risk of severe thunderstorms Saturday across W OK into west/SW TX. Slight Risk area for central and S TX on Sunday.
  - Flash Flooding with damaging winds/hail are the primary hazards but a few tornadoes are possible.

## Monday - Wednesday

- Heavy rain and flash flood threat moves eastward into AR, LA, south/east TX
- Severe thunderstorms with hail/damaging wind and isolated tornadoes from central and E TX.






## River Flooding

- Major river flooding along the Nueces River of S Texas, the Red River across TX/OK, the Boggy Creek in OK. Record flooding possible on the Red River from Wichita Falls to Gainesville TX.
- Moderate river flooding across east/SE TX is expected to continue through mid June

# \*FEMA Region 6 Threat Matrix

## May 23, 2015 - May 27, 2015

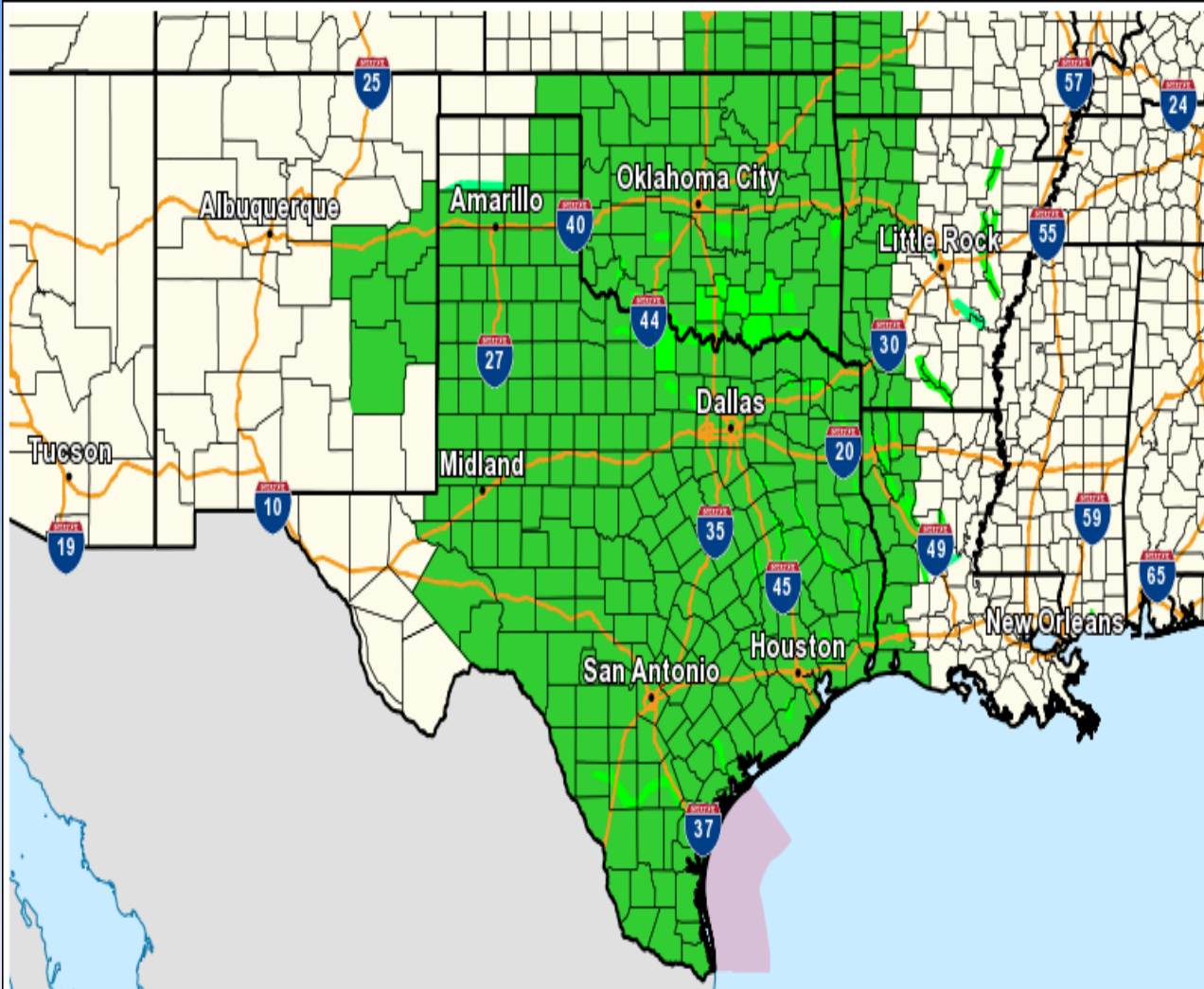
DAY/ THREAT	SAT	SUN	MON	TUE	WED
Severe Storms	SW OK, NW/W/SW TX	S/E TX	S/E TX/W LA		
Heavy Rain /Flooding	TX/OK	AR/LA TX/OK	AR/LA, E/SE/S TX	AR/LA, E/SE/S TX	
Fire	NM				
River Flooding	TX, S OK	TX, S OK	TX, S OK AR/LA	TX, S OK AR/LA	TX, S OK AR/LA

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*We are experimenting with a new color scale to the left as of April 13<sup>th</sup>. Please provide feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov). See next slide for more details.*



# Current WWA



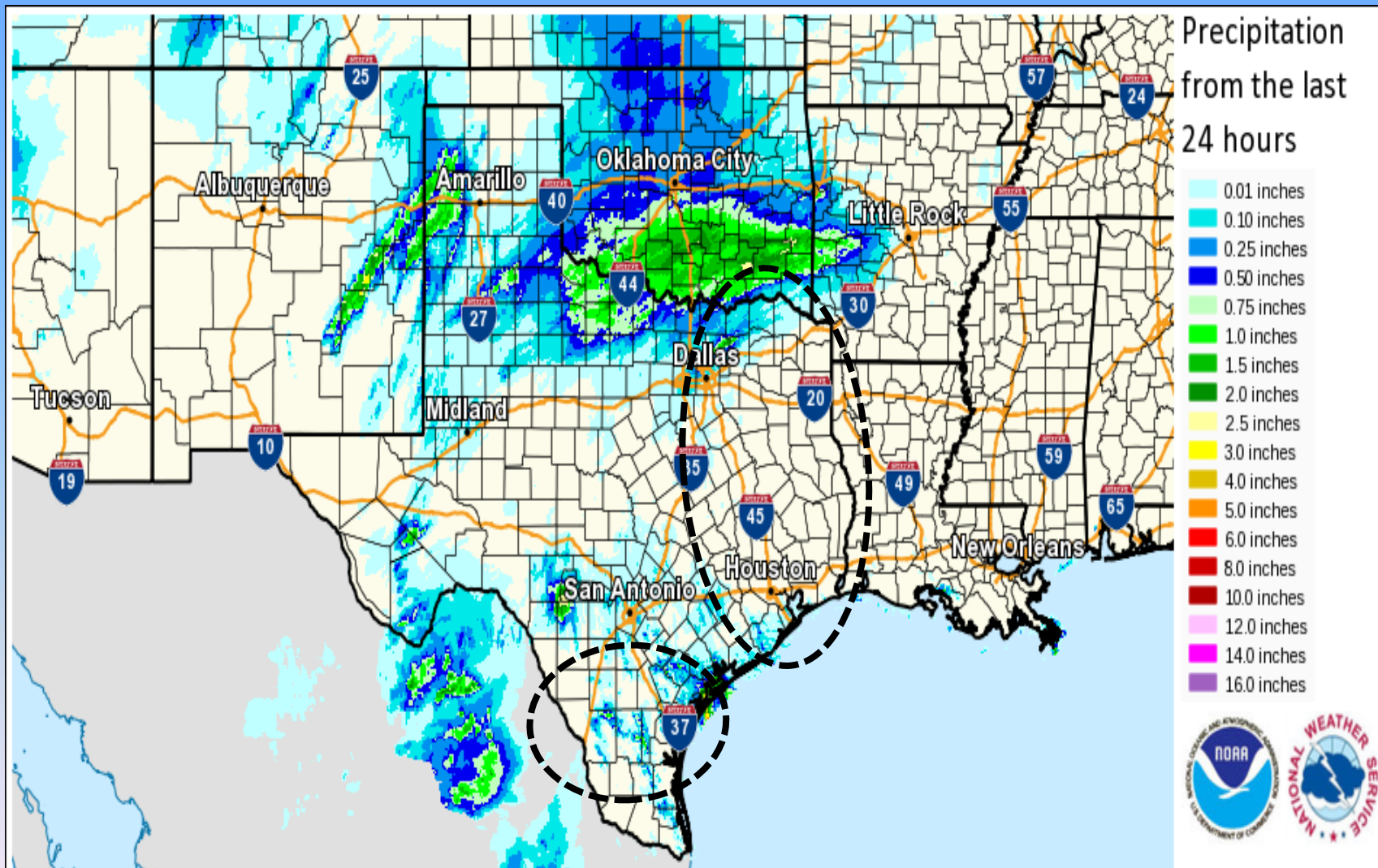
## Latest NWS Watch

## Warnings and Advisories

- Areal Flood Warning Pop: 1,234
- Flood Warning Pop: 1,455,315
- Flash Flood Watch Pop: 31,327,067
- Areal Flood Advisory Pop: 335,968
- Flood Advisory Pop: 28,789
- Small Craft Advisory Pop: 12,997
- Dense Fog Advisory Pop: 174,783

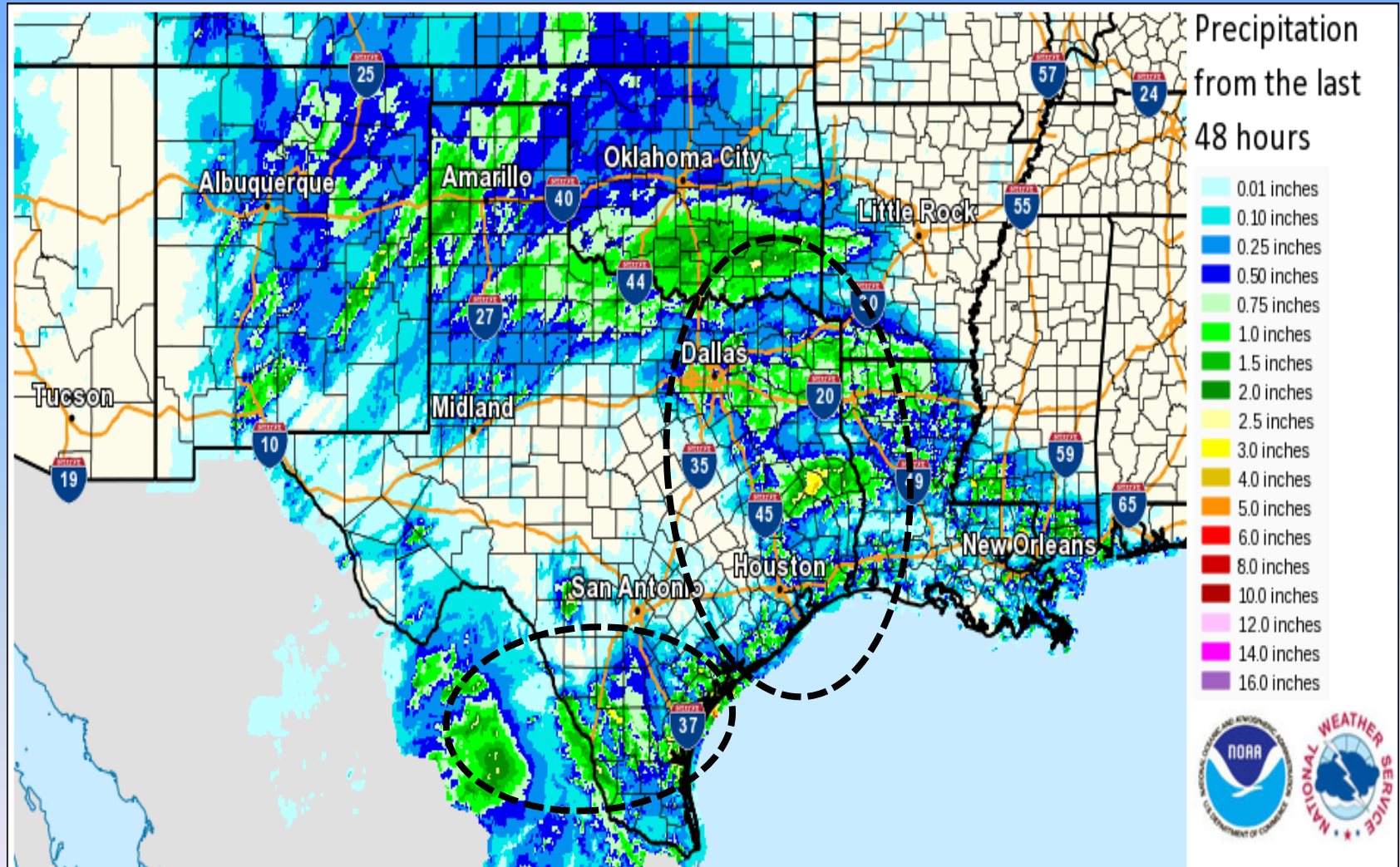


# 24 Hour Observed Precipitation

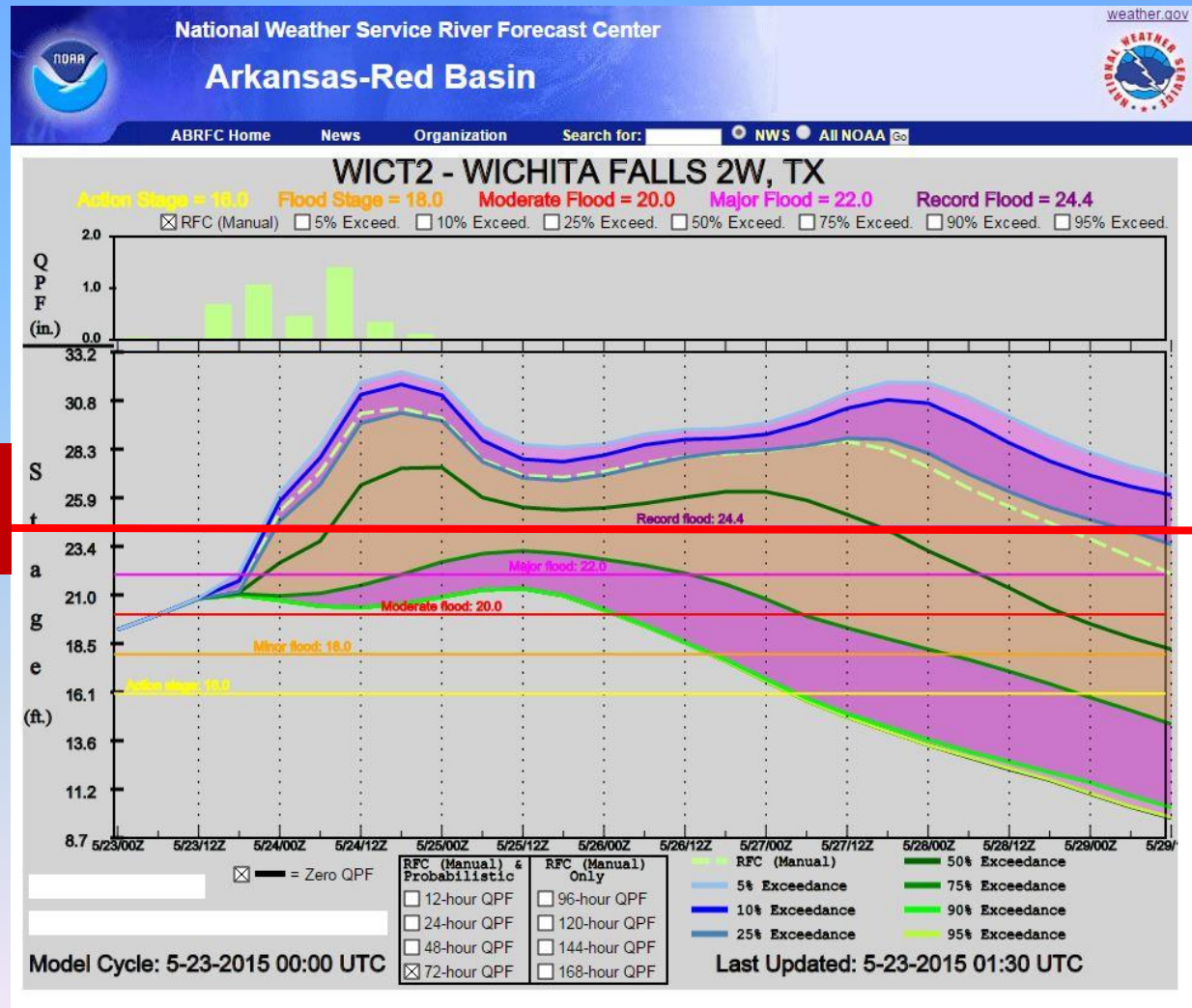




# 48 Hour Observed Precipitation



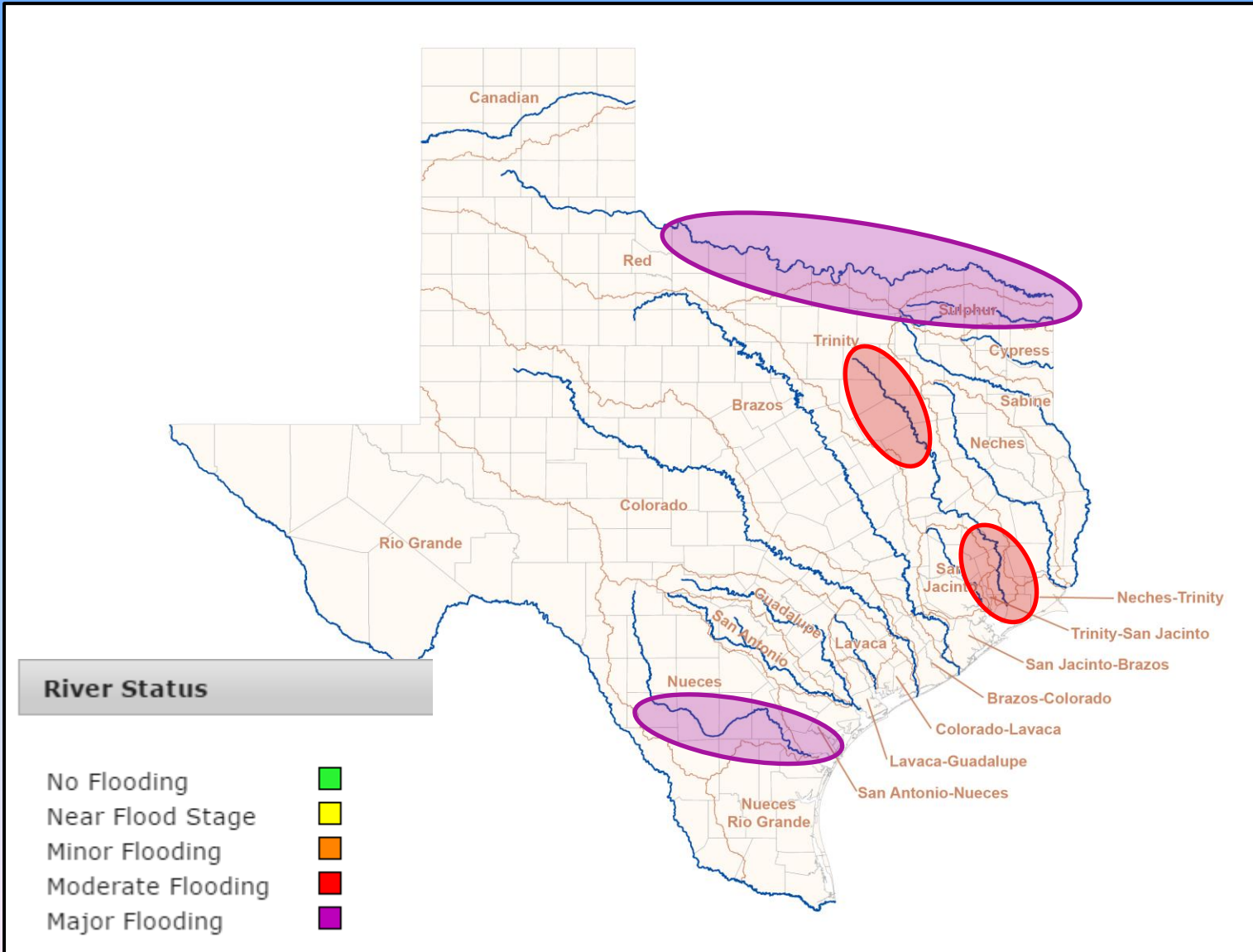
# Forecast Flood Potential – N TX/S OK



Flood of  
Record











Flood of  
Record

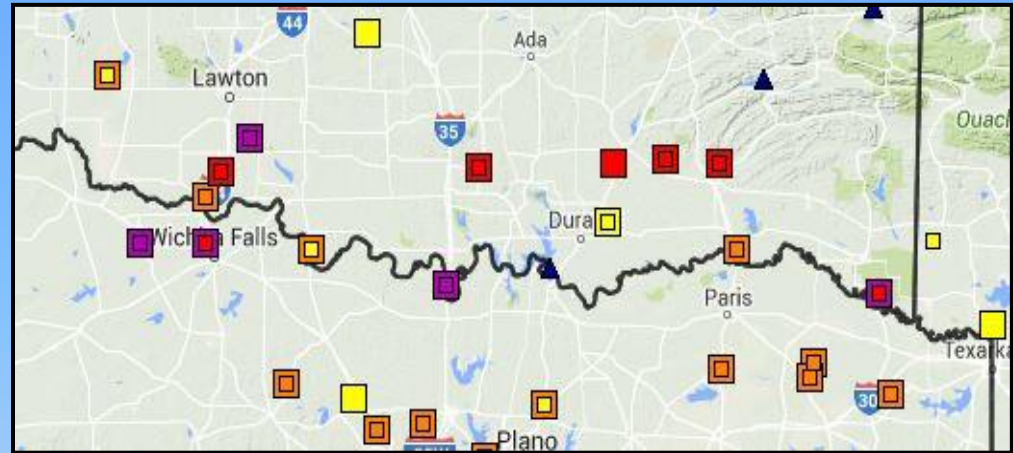
# Forecast Flood Potential – N TX/S OK





# Red River

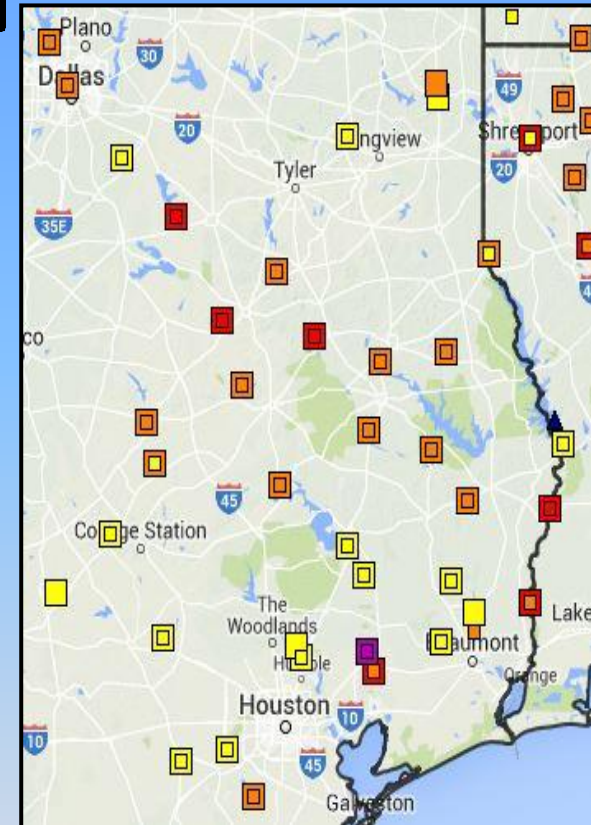
River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		



- **Moderate Flood Impacts near Wichita Falls**
  - In Wichita Falls... extensive flooding occurs in Harwell and Lucy Parks. Shallow flooding occurs in homes north of Third Street and in Tanglewood Hollow... and in Scotland Park.
- **Major Flood Impacts near Gainesville**
  - Crop and range lands, pecan groves, oil wells, and rural roads are flooded or isolated. Low-lying fields, upstream in Cooke County experience overflows several hours before the crest reaches the Interstate Highway I-35 crossing north of Gainesville. Livestock and other property should be removed.

# Trinity River

- **Major Flood Stage at Liberty**
  - Due to releases from Lake Livingston
  - Expected to hold steady at 29ft – Major Flood
  - Major lowland flooding begins as homes in several subdivisions above Liberty begin flooding. Extensive flooding over much of Liberty County can be expected with each incremental rise in the river.
- Additional rainfall amounts over the upper Trinity will lead to moderate and major flooding this weekend; heavy rainfall over this area on Monday/Tuesday will prolong the flooding at these higher levels.
- NWS forecasts incorporate US Army Corps of Engineers releases from reservoirs.



River Status		
	Observed	Forecast
No Flooding	■	■
Near Flood Stage	■	■
Minor Flooding	■	■
Moderate Flooding	■	■
Major Flooding	■	■

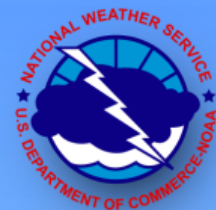
# Nueces River

- Major Flooding at several points along the Nueces
  - At Three Rivers, creeks backing up water in the River Creek Acres Subdivision SE of George West
  - Below Bluntzer, west bank residents may be cut off for weeks
  - At Calallen, residents in lowest areas may be cut off for days/weeks, some residents may need to be evacuated
- Additional rainfall amounts over the next 5 days of 3-5 inches will continue the ongoing major flooding and prolong flooding for weeks.



River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		

**We are experimenting with a new color scale in these briefings, starting on April 13<sup>th</sup>. The criteria is below, please provide your feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov) and we plan to re-evaluate in the coming months.**

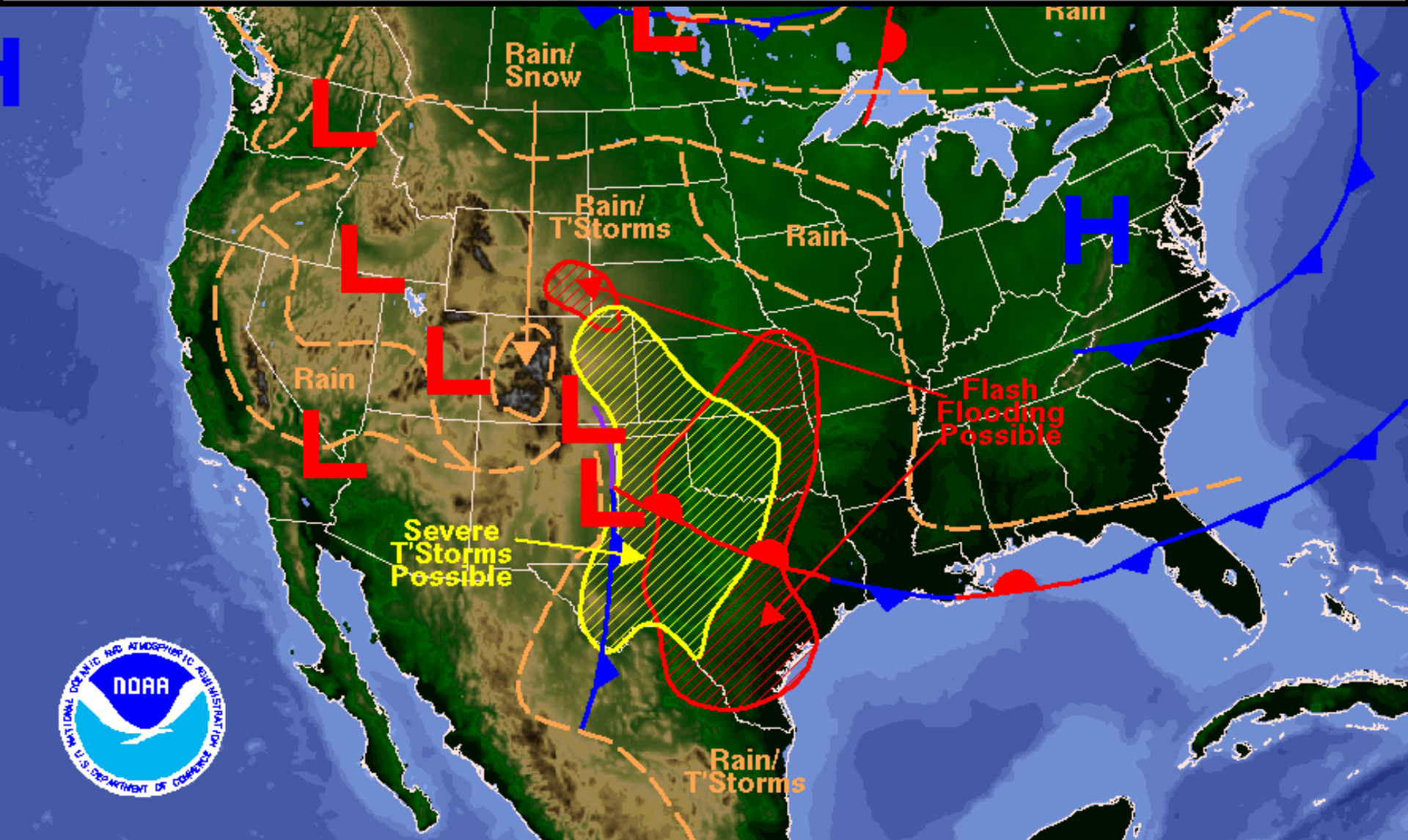


**Weather "Threat" Matrix**

Color	Definition	Criteria	Example(s)
<b>Green</b>	<b>Very Common – Happens Often</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
<b>Yellow</b>	<b>Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
<b>Orange</b>	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> </ul>
<b>Red</b>	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> </ul>
<b>Purple</b>	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>



# Today's Weather

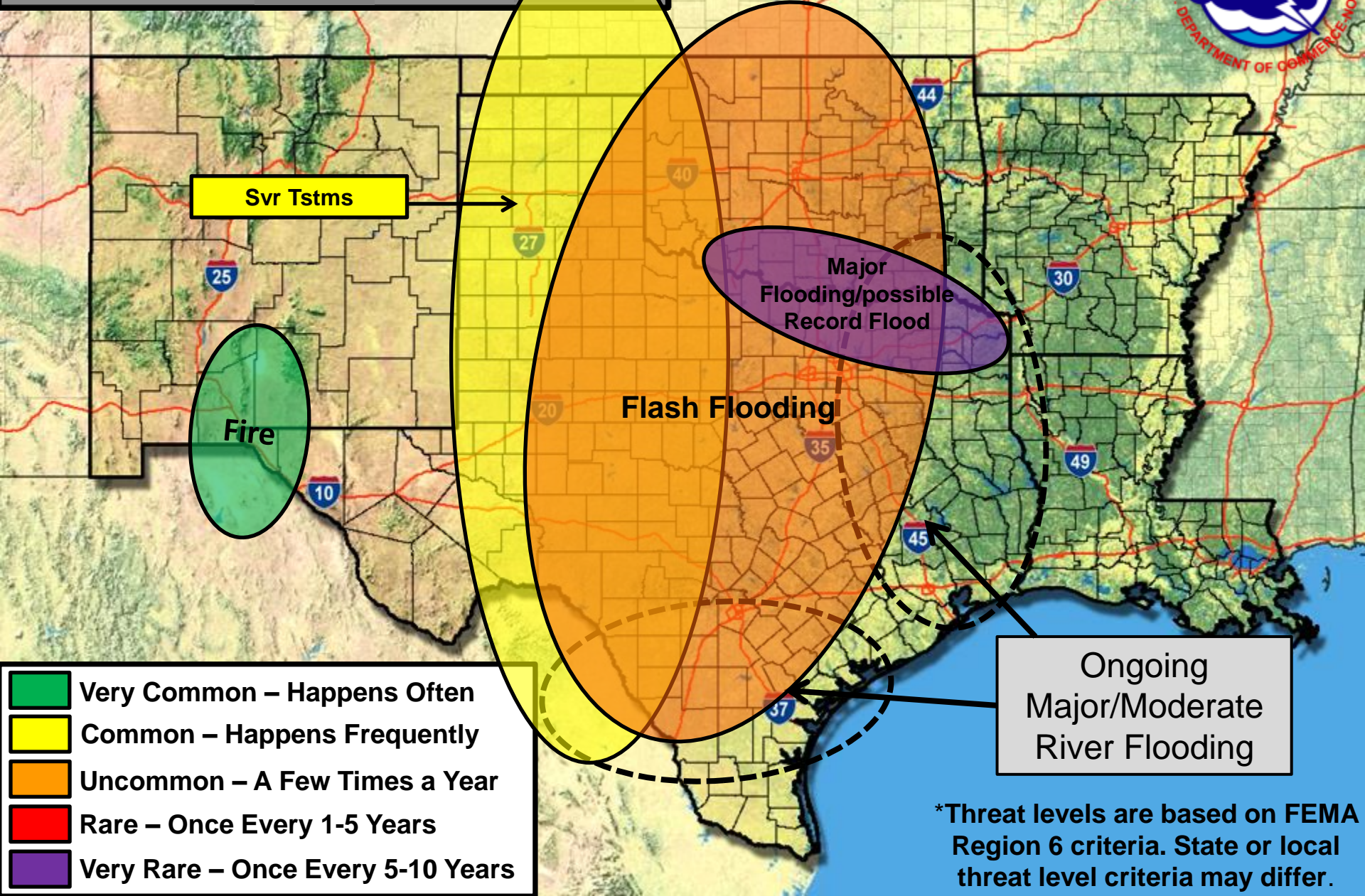
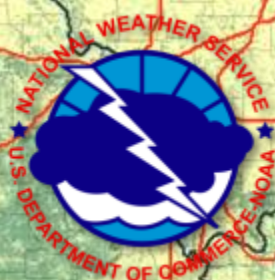


Weather Forecast for Sat, May 23, 2015, issued 4:24 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Krekeler based on WPC, SPC and NHC forecasts



# Day 1 Weather Hazards

Valid: 0800 Sat - 0800 Sun



Svr Tstms

Fire

Flash Flooding

Major  
Flooding/possible  
Record Flood

Ongoing  
Major/Moderate  
River Flooding

Very Common – Happens Often

Common – Happens Frequently

Uncommon – A Few Times a Year

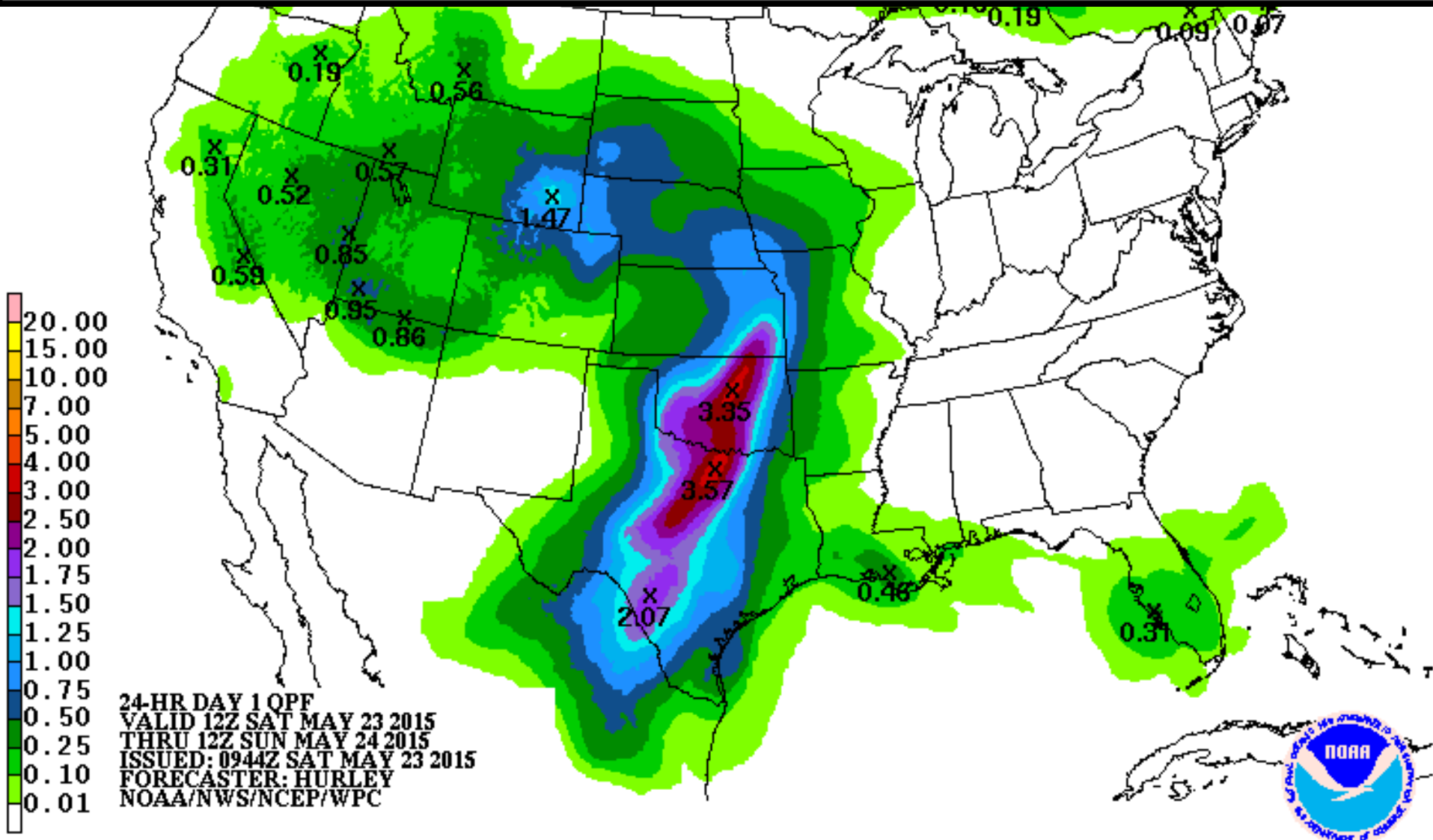
Rare – Once Every 1-5 Years

Very Rare – Once Every 5-10 Years

\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

# Today's Precipitation

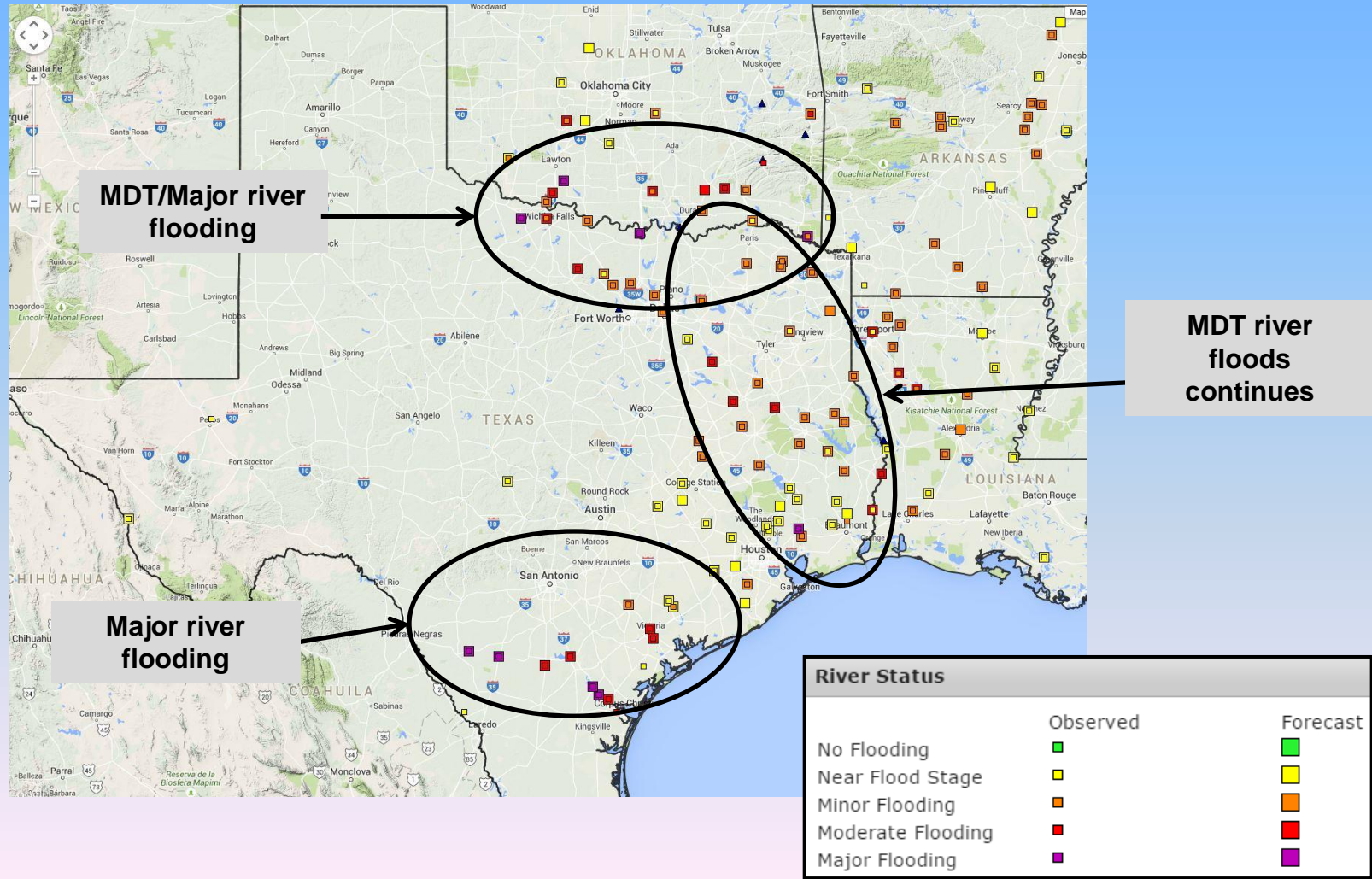
## Sat AM - Sun AM





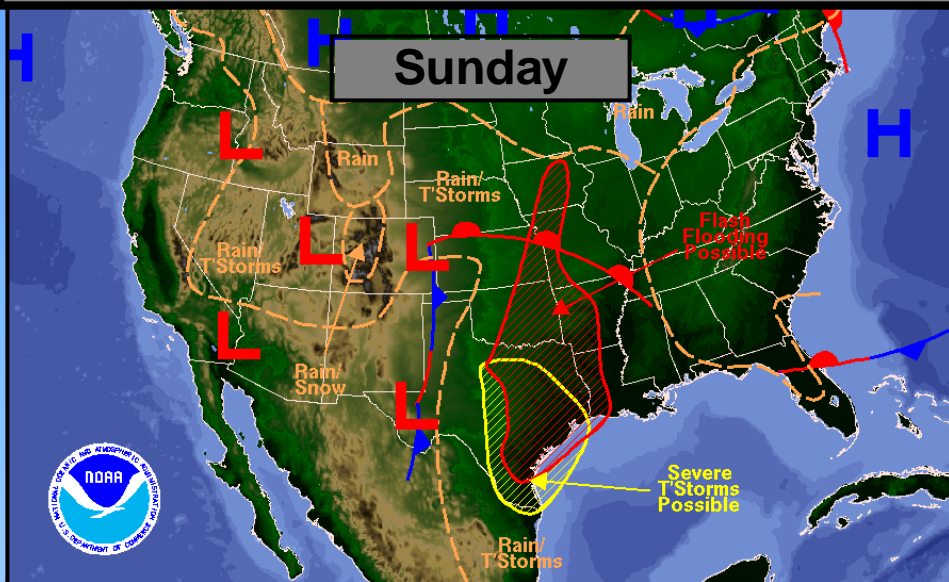
# Current River Status / Near Term Forecast

- Moderate to major river flooding continuing for parts of S Texas.
- Moderate river flooding is expected to continue/maintain through next week over parts of E Texas. Significant additional rises (on the Trinity below Dallas) are not expected to occur at this time.

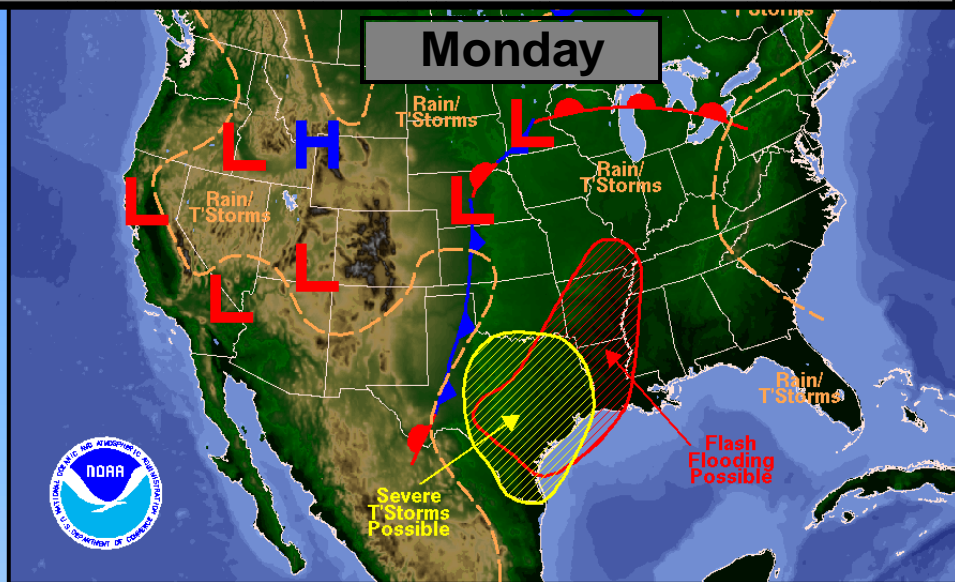




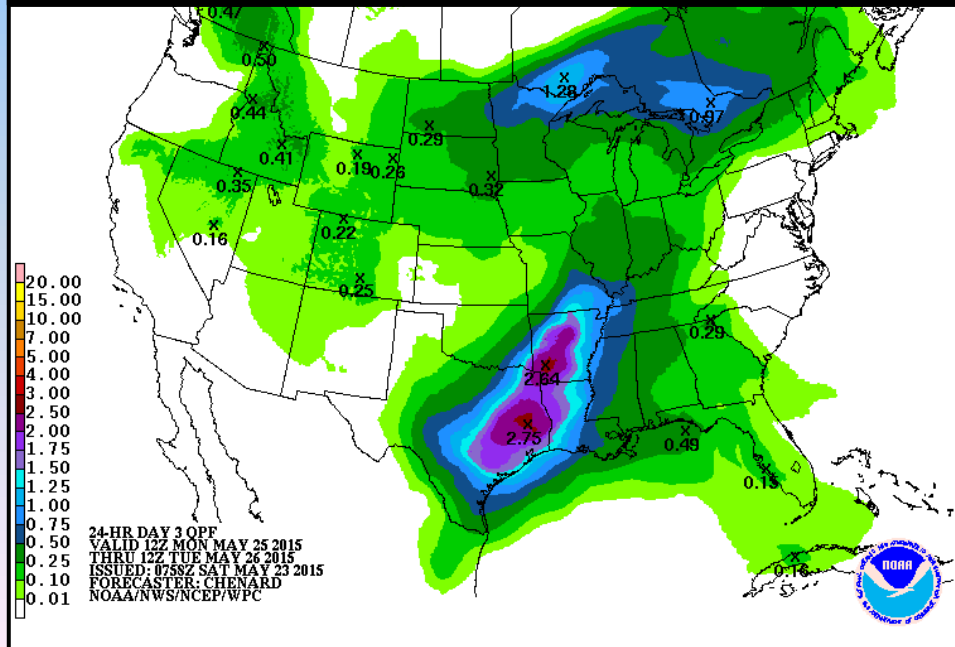
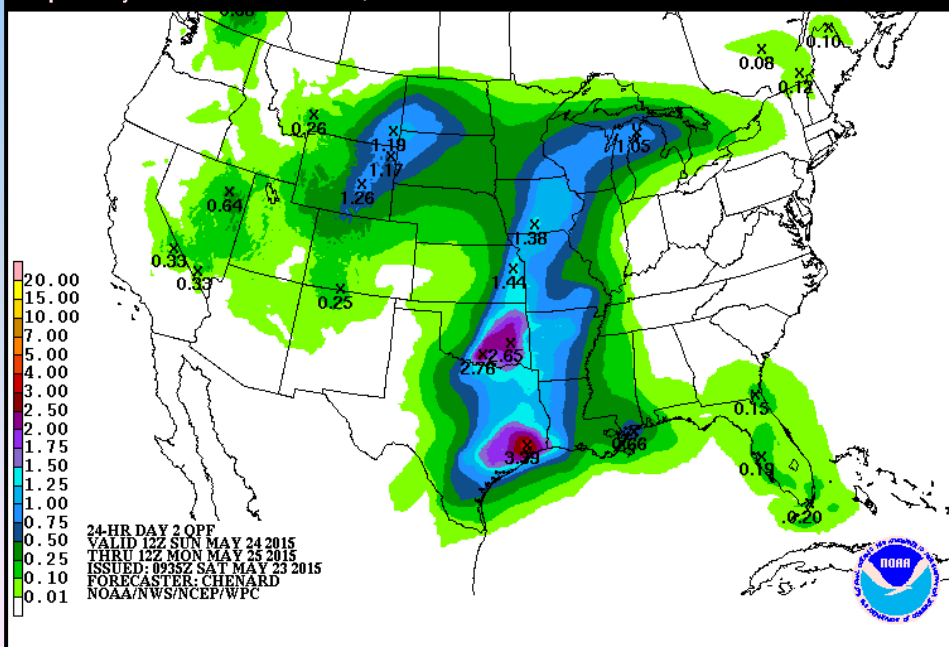
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Sun, May 24, 2015, issued 4:31 AM EDT Sat, May 23, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Krekeler based on WPC, SPC and NHC forecasts



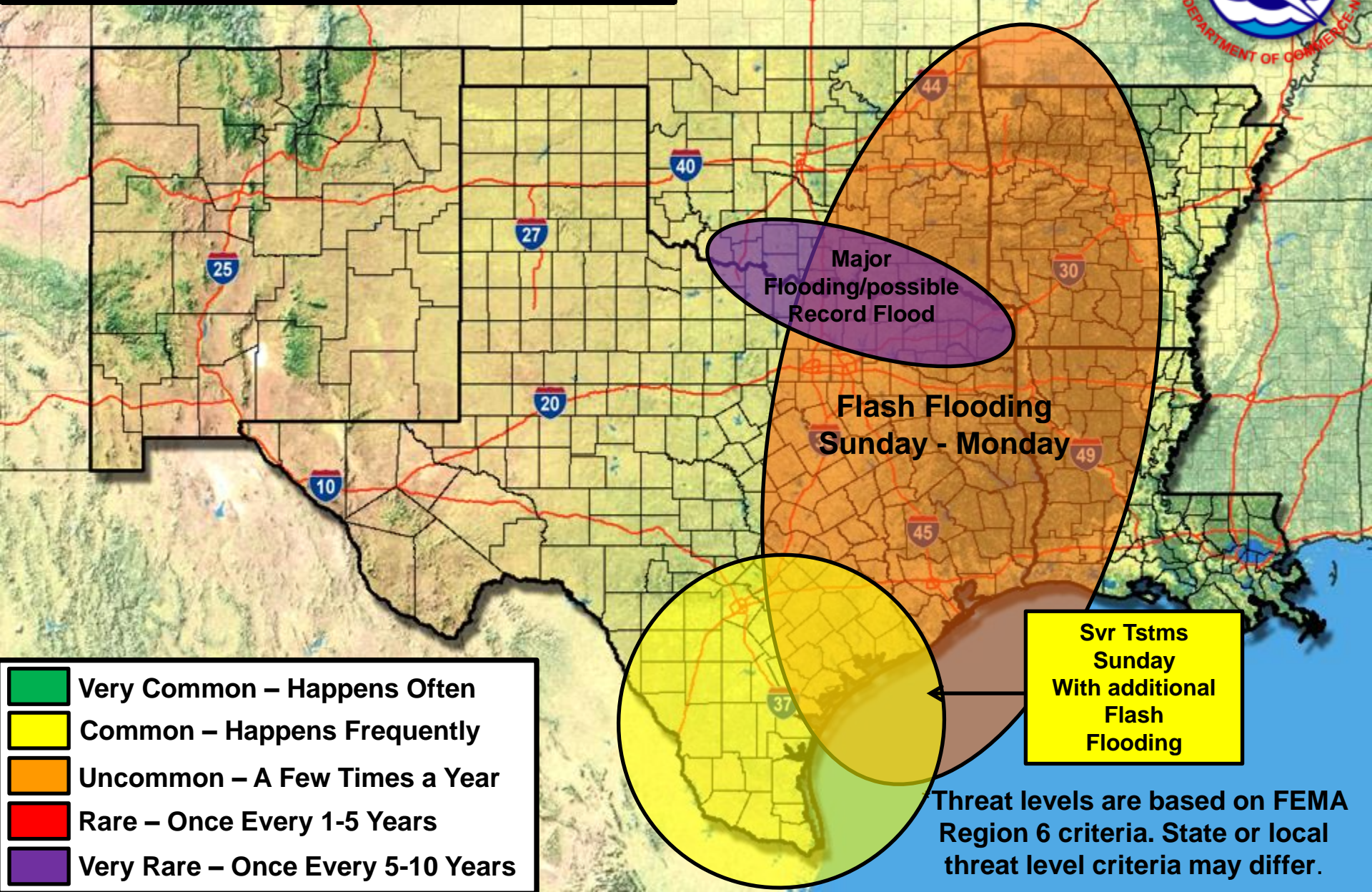
Weather Forecast for Mon, May 25, 2015, issued 4:35 AM EDT Sat, May 23, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Krekeler based on WPC, SPC and NHC forecasts





# Day 2-3 Weather Hazards

*Valid: 0800 Sun - 0800 Tue*



Major  
Flooding/possible  
Record Flood

Flash Flooding  
Sunday - Monday

Svr Tstms  
Sunday  
With additional  
Flash  
Flooding

Very Common – Happens Often

Common – Happens Frequently

Uncommon – A Few Times a Year

Rare – Once Every 1-5 Years

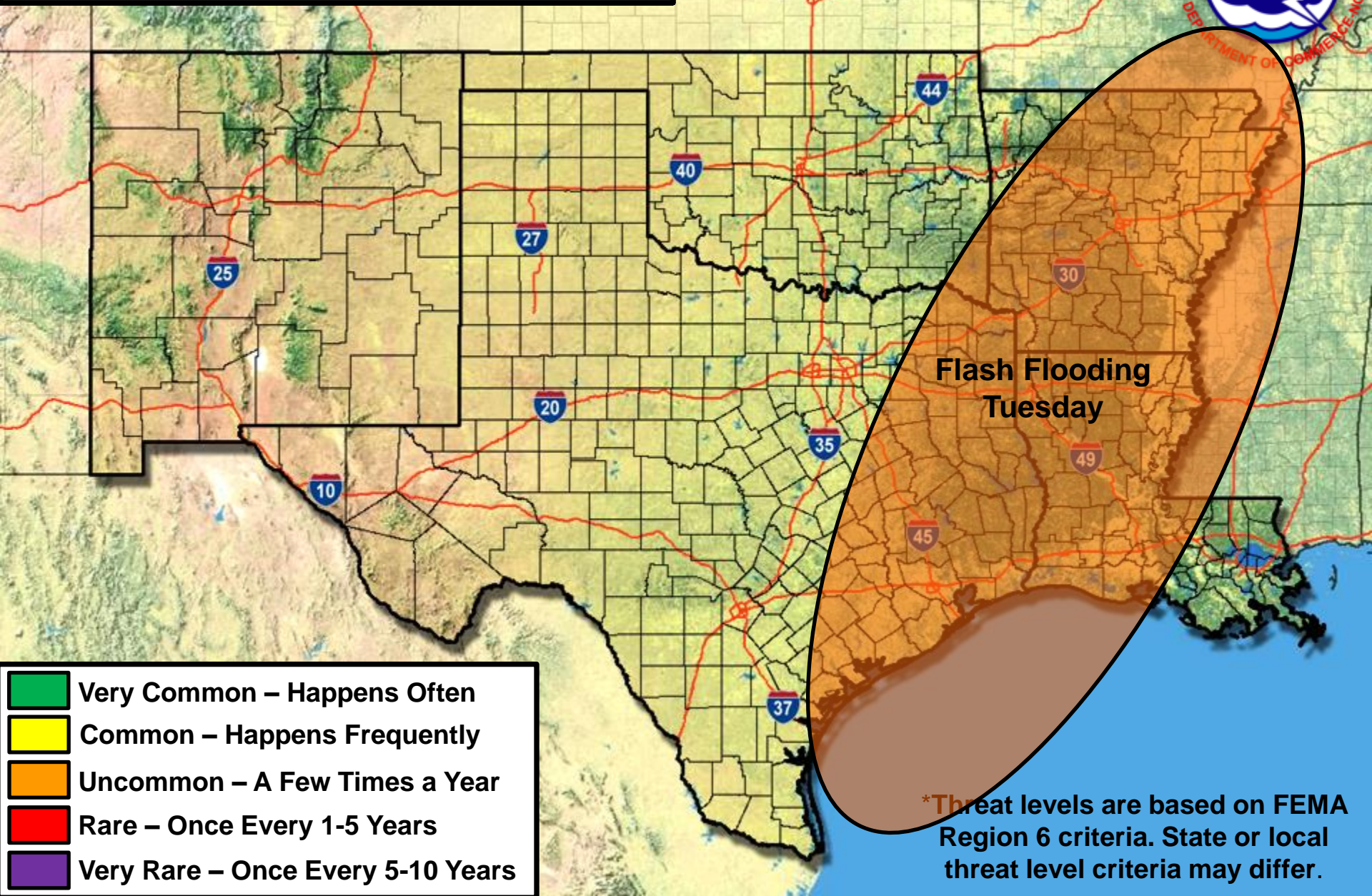
Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA  
Region 6 criteria. State or local  
threat level criteria may differ.








# Day 4-5 Weather Hazards

Valid: 0800 Tue - 0800 Thu



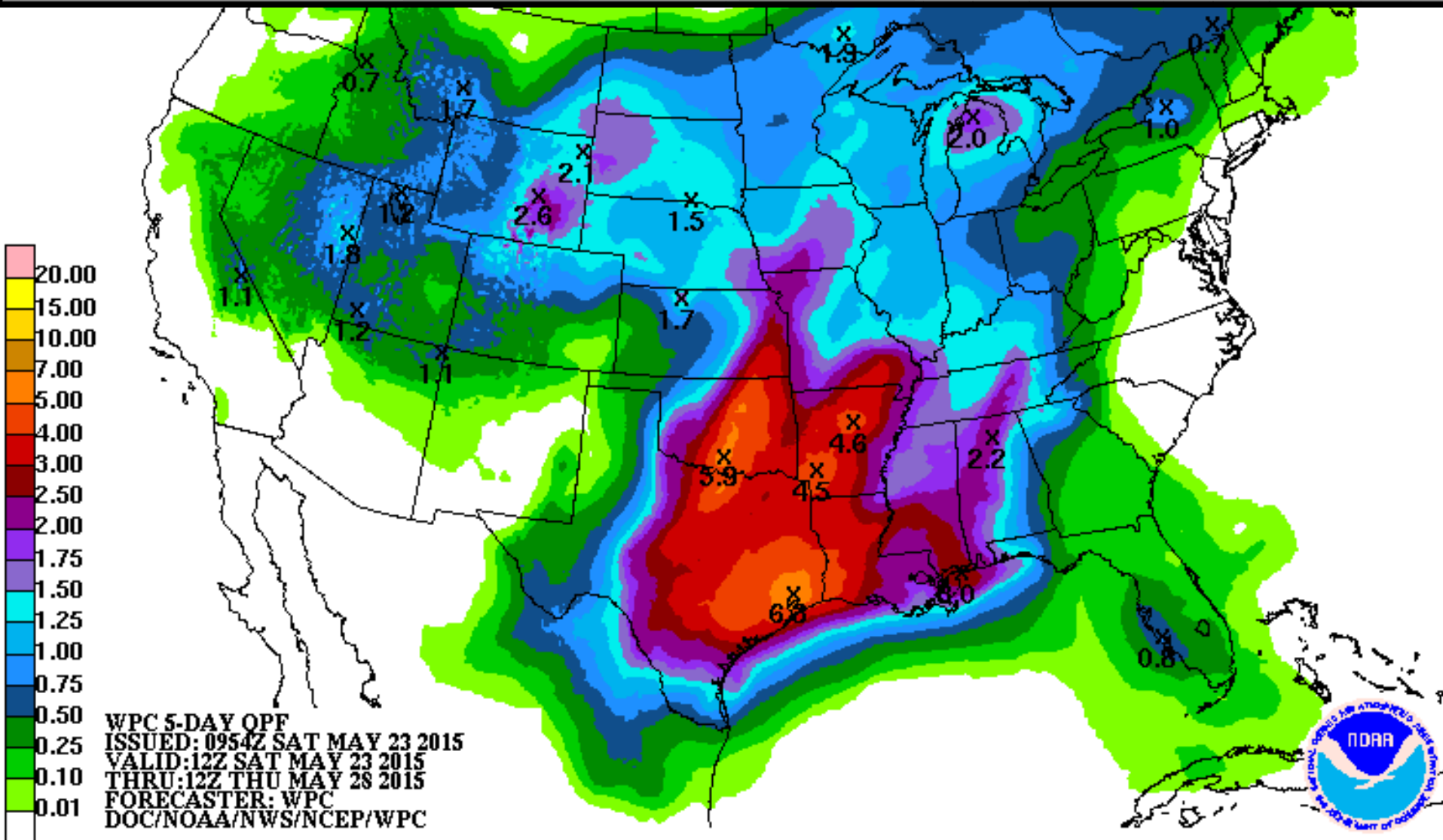
**Flash Flooding  
Tuesday**

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

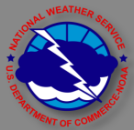
**\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.**

# 5-Day Precipitation

## Sat AM - Thu AM

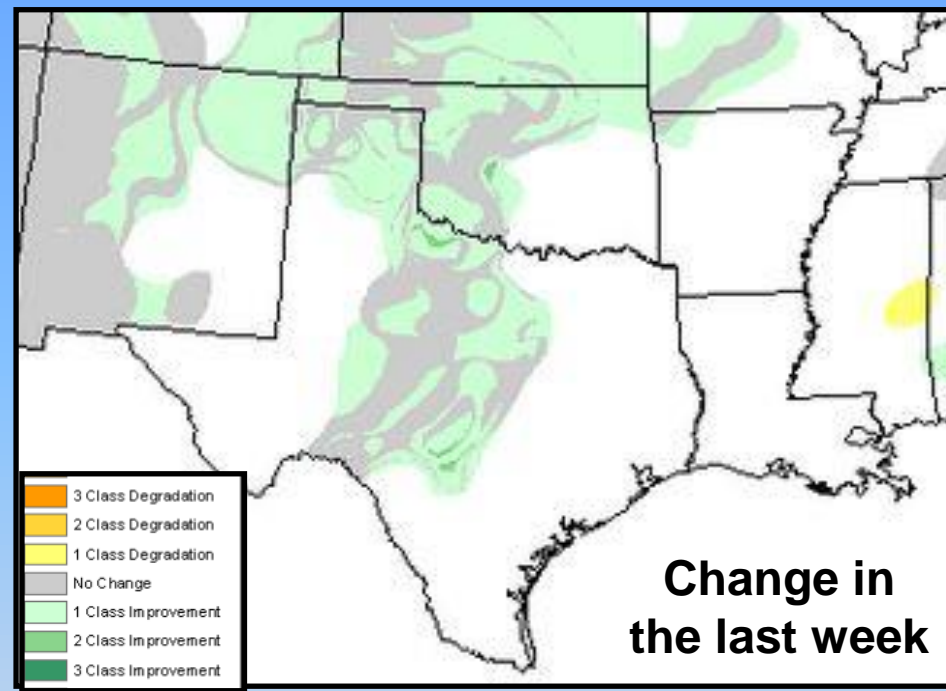
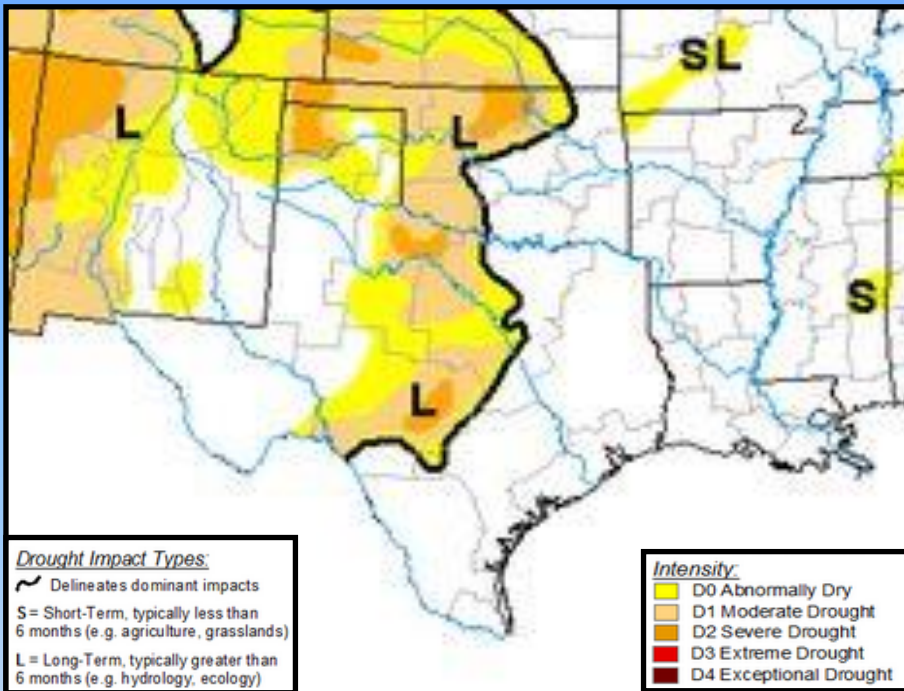






# Drought Monitor Released May 21st, 2015

Data valid as of Tuesday, May 19th, 2015 at 7AM EST



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	3.72%	22.81%	61.24%
Texas	0.00%	1.93%	13.92%	40.35%
New Mexico	0.00%	0.00%	3.70%	37.23%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

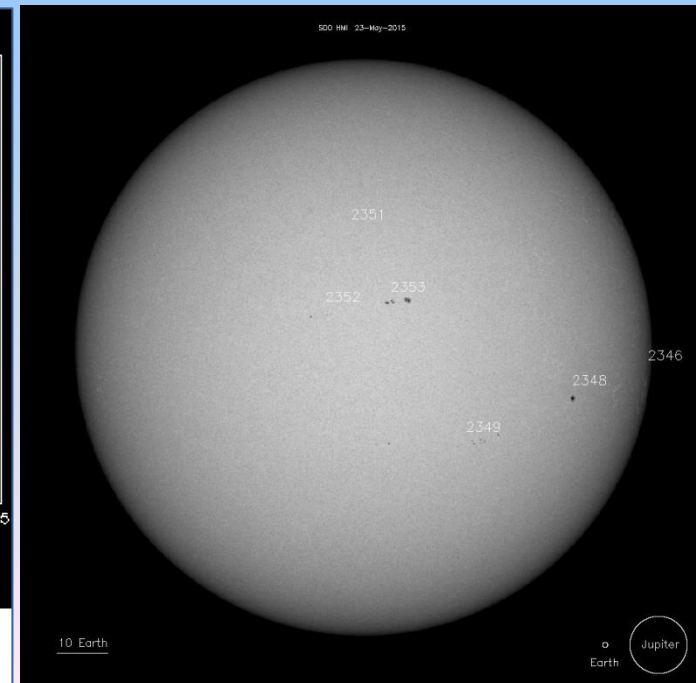
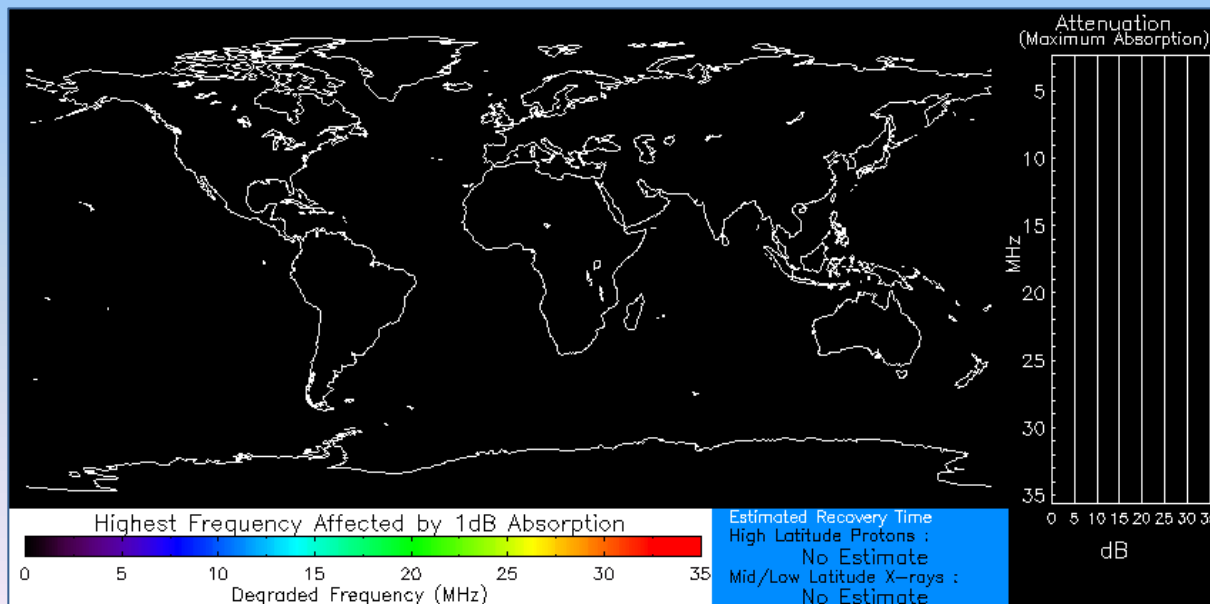
# Space Weather 3-Day Forecast



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

	Saturday	Sunday	Monday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



Normal X-ray Background  
 Product Valid At : 2015-05-23 11:19 UTC

Normal Proton Background  
 NOAA/SWPC Boulder, CO USA

Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (817) 978-1100 x147

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.srh.noaa.gov>

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<https://www.facebook.com/NWSSouthern> (**NEW link!!**)

**twitter**

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